LOGISTICS

Develop and mature technologies for application to current and future Marine Corps expeditionary systems. Focus is on supporting the tenets of Seabased Logistics with emerging technologies focusing of improved distribution, reduced combat load in the areas of fuel, water and energy and improved maintenance capabilities

FOCUS AREA	PROJECT
SEABASED LOGISTICS In support of DO & Irregular Warfare **Log STO-1**: Total asset visibility technologies for seabased logistics operations **Log STO-**2: Predictive maintenance systems **Log STO-3**: Advanced expeditionary packaging and delivery **MVR STO-4**: Develop unmanned aviation technologies for delivery of logistics support	NUMBUS:EMBEDDED RADIO FREQUENCY NETWORKS FOR LOGISTICS CONTROL (E&D) MARINE CORPS SEABASING ROADMAP STUDY (D&I) AUTONOMIC LOGISTICS COMMON OPERATIONAL PICTURE FEASIBILITY STUDY (E&D) CHIPLESS & SURFACE ACOUSTIC WAVE RADIO FREQUENCY IDENTICATION (E&D)
BATTLEFEILD ENERGY/POWER **Log STO-5**: Alternative power sources	HYBRID ZINC AIR POWER SOURCES (D&I) DEVELOPMENT OF NOVEL AIR ELECTRODES & HIGH POWER ZINC AIR BATTERIES (D&I) PORTABLE METHANOL FUEL CELL (PLUS-UP) LIGHTWEIGHT HIGH SPECIFIC ENERGY BATTERY CHARGER (D&I) NEW MATERIALS & CONCEPTS FOR NEXT GEN METAL/AIR BATTERIES (D&I) SOLIDER SYSTEM POWER SOURCES (VIRTUAL TEST BED) (D&I)
EXPEDITIONARY LOGISTICS **Log STO-3**: Advanced expeditionary packaging and delivery **Log STO-4**: Water purification and water-making capabilities **MVR STO-6**: Advanced robotic systems for ground combat	EXPEDITIONARY FORCE INFRASTRUCTURE INITIATIVE (PLUS-UP) EXPEDITIONARY UNIT WATER PURIFICATION (PLUS-UP) ADVANCING IN-FIELD MANUFACTURING FOR COMPOSITE MILITARY BRIDGE STRUCTURES (E&D) LIGHTWEIGHT FLAME RETARDANT COMPOSITES FOR THE JOINT MODULAR INTERMODAL CONTAINER (E&D) VEHICLE EMBARKED & POWERED MANIPULATOR ARM NEXT GENERATION EXPEDITIONARY VEHICLES (E&D)